



THE UNIVERSITY  
OF NORTH CAROLINA  
AT CHAPEL HILL

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February 16, 2015

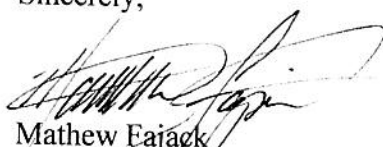
Air and EPCRA Enforcement Branch  
U.S. EPA – Region IV  
61 Forsyth Street  
Atlanta, Georgia 30303

Subject: **Annual Title V Compliance Certification**  
**The University of North Carolina at Chapel Hill**  
**Chapel Hill, North Carolina**  
**Title V Air Permit No. 03069T32**

Dear Sir/Madam:

Please find enclosed two (2) copies of the Title V Annual Compliance Certification for calendar year 2014 for The University of North Carolina at Chapel Hill. This compliance certification covers the period from January 1, 2014 through December 31, 2014. The compliance certification for this period includes the N.C. Division of Air Quality's (DAQ) Annual Compliance Certification Form, Compliance Summary Report (table), and Deviation Summary Report. Two Semi-Annual Summary Reports of monitoring, recordkeeping, and reporting activities for the same reporting period were submitted separately to Stephen Hall, NC DENR Department of Air Quality, on July 15, 2014 and January 16, 2015.

Sincerely,



Mathew Fajack  
Vice Chancellor for Finance and Administration

Enclosures

**Division of Air Quality**  
**Annual Compliance Certification Form<sup>1</sup>**

Facility Name:	The University of North Carolina at Chapel Hill
Facility Location:	Chapel Hill, North Carolina
Facility ID No:	6800043
Title V Permit Number:	03069T32
Start of Reporting Period:	January 1, 2014
End of Reporting Period:	December 31, 2014

**Compliance Statement** (Check only one of the following options)

☐ During the reporting period specified above, this facility was in compliance with all terms and conditions identified in the above referenced Title V Operating Permit. As such, there were no deviations<sup>2</sup>, excess emissions events, or other reportable incidents including those attributable to equipment malfunction, breakdown, or upset conditions.

☒ During the reporting period specified above, this facility was in compliance with all terms and conditions identified in the above referenced Title V Operating Permit, **EXCEPT** for the deviations<sup>2</sup> identified in the pages attached to this form. For each permit deviation, the following information is included:

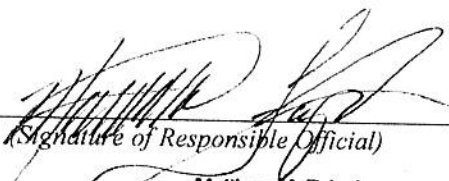
1. Emissions unit/control device identification number(s);
2. Specific permit condition number with a summary of the applicable requirements.
3. Description of any deviations from the applicable requirements including those attributable to malfunctions/breakdowns/upset conditions;
4. Method used to determine facility's compliance status with the specific permit condition;
5. Dates and durations for each episode involving deviation from the applicable requirements;
6. Identification of the probable cause for the specified deviations and any corrective action or preventative measures implemented; and
7. Dates of any previously submitted reports which identified the applicable deviations.

Is the above information **different** from what is indicated on your most recent Title V Report (i.e. last Semi-Annual Monitoring Report, Annual Emissions Inventory, etc)? Yes ☐ No ☒

Are you submitting this Annual Compliance Certification form to also fulfill a Title V Semi-Annual Monitoring reporting requirements? If so, this certification **must** be submitted by January 30. Yes ☐ No ☒

**Certification by Responsible Official**

Based on information and belief formed after reasonable inquiry, the undersigned certifies under penalty of law that all information and statements provided in this form (including any attachments) are true, accurate, and complete.

  
(Signature of Responsible Official)  
**Matthew M. Fajack**  
**Vice Chancellor for Finance and Administration**

2/24/15  
(Date)

Name: \_\_\_\_\_  
(Type or Print)

Title: \_\_\_\_\_  
(Type or Print)

<sup>1</sup> Annual compliance certifications are required pursuant to federal rule 40 CFR 70.6 (c), state rules 15A NCAC Sections 2Q.0508(i) and 2Q.0508(bb), and Section 3 - General Condition P of the Title V Operating Permit. A copy of each annual compliance certification is to be submitted to both the North Carolina Division of Air Quality and the U.S. EPA (U.S. EPA Region 4, Air Enforcement Section, Mail Code 4APT-AEEB, 61 Forsyth Street S.W., Atlanta, GA 30303).

<sup>2</sup> For the purposes of this form, the term "deviation" means any action or circumstances not in accordance with the terms and conditions of the Title V Operating Permit including those attributable to equipment malfunction, breakdown, or upset conditions and/or excess emissions events. The acknowledgement of deviations from specific permit requirements is not necessarily an acknowledgement of a violation. However, failure to report any and all deviations may constitute a violation of the Title V Operating Permit and the underlying emission standard.

North Carolina Department of Environment and Natural Resources  
Division of Air Quality  
COMPLIANCE SUMMARY REPORT

For Calendar Year 2014

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
Boiler #6	ES-001	2.1.A.1.a	Particulate emissions shall not exceed prorated rate based on equation in comments [2D.0503(a)]		NO	YES	N/A	COMS	$E_c = [(0.276)(Q_w) + (0.174)(Q_a)] / Q_r$
Boiler #6	ES-001	2.1.A.1.b	Emission testing shall comply with General Condition JI [2D.0501(e)(3)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.1.c	Monthly net gas use shall be recorded [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.1.d	Fuel usage summary reports shall be submitted semi-annually [2Q.0508(g)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.2.a	Permittee shall comply with all applicable provisions in Subpart Dd [2D.0524]		NO	YES	N/A	CEMS/Recordkeeping	
Boiler #6	ES-001	2.1.A.2.b	PM emissions shall not exceed 0.031 lb/MMBtu when firing coal, or 0.10 lb/MMBtu when firing wood alone or in combination with FOW2 or natural gas [2D.0524]		NO	YES	N/A	COMS	
Boiler #6	ES-001	2.1.A.2.c	SO2 emissions shall not exceed 10 percent of potential emission rate or 0.2 lb/MMBtu, and shall not contain SO2 in excess of formula in comments [2D.0524]		NO	YES	N/A	CEMS	$E_s = (K_H H_a + K_H H_b) / (H_a + H_b)$
Boiler #6	ES-001	2.1.A.2.d.i	NOx emissions shall not exceed 0.6 lb/MMBtu when firing coal only [2D.0524]		NO	YES	N/A	CEMS	
Boiler #6	ES-001	2.1.A.2.d.ii	NOx emissions shall not exceed 0.1 lb/MMBtu when firing FO #2 or natural gas [2D.0524]		NO	YES	N/A	CEMS	
Boiler #6	ES-001	2.1.A.2.d.iii	NOx emissions shall not be in excess of formula listed in comments when firing combined fuels [2D.0524]		NO	YES	N/A	CEMS	$E_s = (EL_{go} H_{go} + EL_{H_2} H_{H_2}) / (H_{go} + H_{H_2})$
Boiler #6	ES-001	2.1.A.2.e	Variable emissions shall not exceed 10 percent opacity when averaged over a six minute period [2D.0524]		NO	YES	N/A	CEMS	
Boiler #6	ES-001	2.1.A.2.f	CEMS shall be installed for SO2, NOx, and opacity [2Q.0508(f)]		NO	YES	N/A	CEMS	
Boiler #6	ES-001	2.1.A.2.g	Daily use of all fuels shall be recorded when firing coal or oil [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.2.h.i	Excess emission reports shall be submitted quarterly [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.2.h.ii	Records shall be maintained for two years [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.3.a	SO2 shall not exceed 2.3 lb/MMBtu [2D.0516]		NO	YES	N/A	CEMS	
Boiler #6	ES-001	2.1.A.3.b	Emission testing shall comply with General Condition JI [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.3.c	Monthly net gas use shall be recorded [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.3.d	Fuel usage summary reports shall be submitted semi-annually [2Q.0508(g)]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.a	Must comply with Section 112(d) MACT provisions until 5/22/2019 [2D.1109]		NO	YES	N/A	Recordkeeping	Comply with Federal Boiler MACT beginning 5/23/2019
Boiler #6	ES-001	2.1.A.4.b	Must comply with 112(d) HAP limits listed in permit [2D.1109]		NO	YES	N/A	Performance Tests	
Boiler #6	ES-001	2.1.A.4.c	Monthly use rates of all fuels shall be recorded [2D.1109]		NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.d	Variable emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D.1109]		NO	YES	N/A	COMS	
Boiler #6	ES-001	2.1.A.4.e	Sorbent injection rates must meet established operating limit [2D.1109]		NO	N/A	N/A	CPMS	Sorbent injection operating limit not yet incorporated into permit
Boiler #6	ES-001	2.1.A.4.f	No testing required for net gas and #2 oil firing [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions					Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary	Deviations? (Yes/No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes/No)		
Boiler #6	ES-001	2.1.A.4.g	Conduct initial performance test within 180-days of compliance date [2D.1109]	NO	YES	N/A	Recordkeeping	Initial testing performed July 9-10, 2013
Boiler #6	ES-001	2.1.A.4.h	Establish sorbent injection operating limit during performance test [2D.1109]	NO	YES	N/A	Recordkeeping	Sorbent injection monitored during 12/17-18/14 testing performed at >90% boiler load
Boiler #6	ES-001	2.1.A.4.h.i	Submit permit application for sorbent injection operating limit within 60-days of DAQ approval of test [2D.1109]	NO	N/A	N/A	N/A	DAQ approval of 12/17-18/14 test report pending
Boiler #6	ES-001	2.1.A.4.h.ii	If previous testing used to set sorbent operating limit, submit application prior to compliance date [2D.1109]	NO	N/A	N/A	N/A	Previous testing not used to set sorbent injection operating limit
Boiler #6	ES-001	2.1.A.4.i	Conduct additional annual performance test every 11-13 months, with test report to DAQ within 60-days [2D.1109]	YES	YES	NO	Recordkeeping	1st annual CO test not completed within 11-13 months (see Deficiency Report)
Boiler #6	ES-001	2.1.A.4.ii	Less frequent testing, if 3 consecutive tests are <80% of limits [2D.1109]	NO	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.iii	If 3 consecutive tests are <80% of limits, test every 36-months [2D.1109]	NO	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.iii	If a test is >80% of limits, resume annual testing for 3-years [2D.1109]	NO	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.i	Submit 11/20 monitoring plan 60-days prior to initial test [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	SSMP submitted in April 2013
Boiler #6	ES-001	2.1.A.4.k	Must install CO and O <sub>2</sub> CEMS [2Q.0508(f)]	N/A	N/A	N/A	N/A	O <sub>2</sub> trim monitored in lieu of a CO CEMS system
Boiler #6	ES-001	2.1.A.4.k.i	CO CEMS must be installed and operated per PS3 or PS4A [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.ii	Must conduct performance evaluation of CO CEMS [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.iii	CO CEMS must complete one cycle of operation every 15-minutes [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.iv	CO CEMS data must be reduced per 40 CFR 63.8(k)(2) [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.v	Must calculate and record 30-day rolling avg. CO emission rate [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.vi	Monitor CO continuously except during CEMS repair, IM, QA/QC [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.vii	Do not use CO data obtained during CEMS repair, IM, QA/QC, or <50% source operating load [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.4.k.viii	A 30-day avg. CO emission rate above CO limit will be a violation [2Q.0508(f)]	N/A	N/A	N/A	N/A	
Boiler #6	ES-001	2.1.A.1.	As O <sub>2</sub> trim analyzer system may be used for CO compliance monitoring in lieu of a CO CEMS [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	DAQ approval of 12/17-18/14 test report to set O <sub>2</sub> trim operating limit still pending
Boiler #6	ES-001	2.1.A.4.m	Must install and operate an opacity CEMS [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.i	COMS must be installed and operated per PSI [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.ii	Must conduct performance evaluation of COMS per 63.8 and PSI [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.iii	COMS must complete one cycle of operation every 10-sec and record 6-min. averages [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.iv	COMS data must be reduced per 40 CFR 63.8(g)(2) [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.v	Monitor opacity continuously except during COMS repair, IM, QA/QC [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	



University of North Carolina at Chapel Hill  
General Conditions Summary

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Boiler #6	ES-001	2.1.A.4.m.vi	Include all COMS QA/QC procedures and acceptance criteria in the monitoring plan [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.vii	Operate COMS per monitoring plan and report out-of-control times [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.m.viii	Record all 6-min. avg. operates for all COMS in-control periods [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n	Must install and operate a sorbent injection CPMS [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.i	Sorbent CPMS must be located to provide representative data [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.ii	Install and calibrate sorbent CPMS per manufacturer instructions [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.iii	Calibrate sorbent CPMS annually per manufacturer instructions [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.iv	CPMS must complete one cycle of operation every 15-minutes [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.v	Monitor continuously except during CPMS repair, IM, QA/QC [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.vi	Do not use data obtained during CPMS repair, IM, or QA/QC [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.vii	Calculate 3-hr block average injection rate [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.viii	Keep record of all CPMS IM, QA/QC, and repair activities [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.n.ix	A 3-hr block avg. injection rate below the operating limit is a violation [2Q.0508(f)]	NO	N/A	N/A	N/A	Sorbent injection operating limit not yet incorporated into permit
Boiler #6	ES-001	2.1.A.4.o	If CEMS/CPMS monitoring, conduct annual IM [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	This operating scenario did not occur in 2014
Boiler #6	ES-001	2.1.A.4.o.i	Inspect and clean burners as necessary [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.o.ii	Inspect and adjust flame pattern as necessary [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.o.iii	Inspect and clean burners as necessary [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions					Comments
		Permit Condition Number	Condition Summary	Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	
Boiler #6	ES-001	2.1.A.4.o.iv.	Conduct at least one annual tuneup per year [2Q, 0508(G)] Keep records of all boiler I/M and repair activities [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.p.	I/M records must record date of each I/M action [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.p.i.	I/M records must record results of each inspection action [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.p.ii.	I/M records must record results of each maintenance action [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.p.iii.	Records of all notifications including Notification of Compliance Status [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.q.	Records of all performance tests or other compliance demonstrations [2Q, 0508(G)] Records for all CEMS, CPMS, COMS [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.r.	Records of all measurements to demonstrate compliance [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.s.	Records of all CEMS out-of-control periods [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.s.i.	Records of all CEMS calibration checks [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.s.ii.	Records of all adjustments and maintenance on CEMS [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.s.iii.	Records of monthly usage of all fuels [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.s.iv.	If permittee limits any 12-mo. avg. fuel use to <10% of HH, maintain fuel-specific records monthly [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.t.	Record fuel use by each source during previous month [2Q, 0508(G)]	N/A	N/A	N/A	N/A
Boiler #6	ES-001	2.1.A.4.u.	Calculate the 12-month average heat input for each fuel monthly [2Q, 0508(G)]	N/A	N/A	N/A	N/A
Boiler #6	ES-001	2.1.A.4.v.	Must submit a Notification of Compliance Status (NOCS) within 60-days of performance tests [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.vi.	NOCS must include description of affected source [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #6	ES-001	2.1.A.4.vii.	NOCS must include description of test results and fuel analyses [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping

No fields are permitted for <10% annual HH

NOCS submitted on 9/9/2013

University of North Carolina at Chapel Hill  
General Conditions Summary

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Boiler #6	ES-001	2.1.A.4.v.iii.	NOCs must specify whether complying with PM or TSM limits [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.v.iv.	NOCs must specify whether performing stack tests or field analysis [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.v.v.	NOCs must specify whether facility is using emissions averaging [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.v.vi.	NOCs must include a signed RO compliance certification [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.v.vii.	NOCs must include CO emissions for CO work practice limit [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.v.viii.	NOCs must certify if only n gas and #2 oil are fired in source [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.	Permittee must submit semiannual compliance reports [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.i.	Semiannual reports must include facility name and address [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.ii.	Semiannual reports must include signed certification by RO [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.iii.	Semiannual reports must include date and period covered by report [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.iv.	Semiannual reports must include monthly fuel usage [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.v.	Semiannual reports must include summary of performance test and operating limits [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	12/17/18/19 performance test has not yet been approved by DAQ. Operating limits not established
Boiler #6	ES-001	2.1.A.4.w.vi.	Semiannual reports must include statement of no new fields used [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.vii.	Semiannual reports must identify any startup, shutdown, malfunction excess emission event [2Q.0535]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.viii.	If applicable, semiannual reports should include statement of no deviations [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.ix.	If applicable, semiannual reports should include statement of no out-of-control periods for CMS [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.4.w.x.	Semiannual reports must identify any deviations from permit requirements [2Q.0508(6)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.5.a.	Projected NOx emissions when burning wood-fuels based on 80% coal/20% wood mix. [2D.0530(9)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.5.b.	Emission testing shall comply with General Condition 11 [2D.0508(6)]	NO	YES	N/A	Recordkeeping	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Boiler #6	ES-001	2.1.A.5.c	NOx emissions shall be calculated and recorded annually for five years [2D 0530(a)] NOx emission reports shall be submitted within 60-days of end of calendar year [2D 0530(a)]	NO	YES	N/A	Recordkeeping	
Boiler #6	ES-001	2.1.A.5.d	Particulate emissions shall not exceed provided rate based on equation in comments [2D 0503(a)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.1.a	Emission testing shall comply with General Condition 11 [2D 0501(g)(3)]	NO	YES	N/A	COMS	$E_c = [(0.2/6)(Q_w) + (0.174)(Q_o)]/Q_r$
Boiler #7	ES-002	2.1.A.1.b	Monthly net gas use shall be recorded [2Q 0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.1.c	Fuel usage summary reports shall be submitted semi-annually [2Q 0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.1.d	Permittee shall comply with all applicable provisions in Subpart Dd [2D 0524] PM emissions shall not exceed 0.051 lb/MMBtu when firing coal, or 0.10 lb/MMBtu when firing wood alone or in combination with FO#2 or natural gas [2D 0524]	NO	YES	N/A	CEMS/Recordkeeping	
Boiler #7	ES-002	2.1.A.2.a	SO <sub>2</sub> emissions shall not exceed 10 percent of potential emission rate or 0.2 lb/MMBtu, and shall not contain SO <sub>2</sub> in excess of formula in comments [2D 0524]	NO	YES	N/A	COMS	$E_s = (K_d H_a + K_d H_b) / (H_a + H_b)$
Boiler #7	ES-002	2.1.A.2.b	NOx emissions shall not exceed 0.6 lb/MMBtu when firing coal only [2D 0524]	NO	YES	N/A	CEMS	
Boiler #7	ES-002	2.1.A.2.c	NOx emissions shall not exceed 0.6 lb/MMBtu when firing coal only [2D 0524]	NO	YES	N/A	CEMS	
Boiler #7	ES-002	2.1.A.2.d.i	NOx emissions shall not exceed 0.1 lb/MMBtu when firing FO #2 or natural gas [2D 0524]	NO	YES	N/A	CEMS	
Boiler #7	ES-002	2.1.A.2.d.ii	NOx emissions shall not be in excess of formula listed in comments when firing combined fuels [2D 0524]	NO	YES	N/A	CEMS	
Boiler #7	ES-002	2.1.A.2.d.iii	Variable emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D 0524]	NO	YES	N/A	COMS	$E_n = (EL_{g0} I_{g0} + EL_{H0}) / (H_{g0} + H_0)$
Boiler #7	ES-002	2.1.A.2.e	CEMs shall be installed for SO <sub>2</sub> , NO <sub>x</sub> , and opacity [2Q 0508(f)]	NO	YES	N/A	CEMS	
Boiler #7	ES-002	2.1.A.2.f	Daily use of all fuels shall be recorded when firing coal or oil [2Q 0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.2.g	Excess emission reports shall be submitted quarterly [2Q 0508(f)]	NO	YES	N/A	Recordkeeping	

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		Permit Condition Number	Condition Summary					
Boiler #7	ES-002	2.1.A.2.h.ii	Records shall be maintained for two years [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.3.a	SO <sub>2</sub> shall not exceed 2.3 lb/MMBtu [2D.0516]	NO	YES	N/A	CEMS	
Boiler #7	ES-002	2.1.A.3.b	Emission testing shall comply with General Condition JJ [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.3.c	Monthly net gas use shall be recorded [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.3.d	Fuel usage summary reports shall be submitted semi-annually [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.a	Must comply with Section 112(f) MACT provisions until 5/23/2019 [2D.1109]	NO	YES	N/A	Recordkeeping	Comply with Federal Boiler MACT beginning 5/23/2019
Boiler #7	ES-002	2.1.A.4.b	Must comply with 115(f) HAP limits listed in permit [2D.1109]	NO	YES	N/A	Performance Tests	
Boiler #7	ES-002	2.1.A.4.c	Monthly use rates of all fuels shall be recorded [2D.1109]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.d	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D.1109]	NO	YES	N/A	COMS	
Boiler #7	ES-002	2.1.A.4.e	Sorbent injection rates must meet established operating limit [2D.1109]	NO	N/A	N/A	CPMS	Sorbent injection operating limit not yet incorporated into permit
Boiler #7	ES-002	2.1.A.4.f	No testing required for net gas and #2 oil firing [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.g	Conduct initial performance test within 180-days of compliance date [2D.1109]	NO	YES	N/A	Recordkeeping	Initial testing performed July 9-10, 2013
Boiler #7	ES-002	2.1.A.4.h	Establish sorbent injection operating limit during performance test [2D.1109]	NO	YES	N/A	Recordkeeping	Sorbent injection monitored during 12/17-18/14 testing performed at >90% boiler load
Boiler #7	ES-002	2.1.A.4.h.i	Submit permit application for sorbent injection operating limit within 60-days of DAQ approval of test [2D.1109]	NO	N/A	N/A	N/A	DAQ approval of 12/17-18/14 test report pending
Boiler #7	ES-002	2.1.A.4.h.ii	If previous testing used to set sorbent operating limit, submit application prior to compliance date [2D.1109]	NO	N/A	N/A	N/A	Previous testing not used to set sorbent injection operating limit
Boiler #7	ES-002	2.1.A.4.i	Conduct additional annual performance test every 11-13 months, with test report to DAQ within 60-days [2D.1109]	YES	YES	NO	Recordkeeping	1st annual CO test not completed within 11-13 months (see Deficiency Report)

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Boiler #7	ES-002	2.1.A.4.i.i	Less frequent testing, if 3 consecutive tests are <80% of limits [2D.1109]	NO	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.i.ii	If 3 consecutive tests are <80% of limits, test every 36-months [2D.1109]	NO	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.i.iii	If a test is >80% of limits, resume annual testing for 3-years [2D.1109]	NO	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.i	Submit 11240 monitoring plan 60-days prior to initial test [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	SSMP submitted in April 2013
Boiler #7	ES-002	2.1.A.4.k	Must install a CO and O <sub>2</sub> CEMS [2Q.0508(G)]	N/A	N/A	N/A	N/A	O <sub>2</sub> turn monitored in lieu of a CO CEMS system
Boiler #7	ES-002	2.1.A.4.k.i	CO CEMS must be installed and operated per P93 or P94A [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.ii	Must conduct performance evaluation of CO CEMS [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.iii	CO CEMS must complete one cycle of operation every 15-minutes [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.iv	CO CEMS data must reduced per 40 CFR 63.8(g)(2) [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.v	Must calculate and record 30-day rolling avg. CO emission rate [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.vi	Monitor CO continuously except during CEMS repair, IM, QA/QC [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.vi	Do not use CO data obtained during CEMS repair, IM, QA/QC, or <30% source operating load [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.vii	A 30-day avg. CO emission rate above CO limit will be a violation [2Q.0508(G)]	N/A	N/A	N/A	N/A	
Boiler #7	ES-002	2.1.A.4.k.viii	An O <sub>2</sub> trim analyzer system may be used for CO compliance monitoring in lieu of a CO CEMS [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	DMQ approval of 12/17-18/14 test report to set O <sub>2</sub> trim operating limit still pending
Boiler #7	ES-002	2.1.A.4.m	Must install and operate an opacity COMS [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	O <sub>2</sub> turn monitored in lieu of a CO CEMS system
Boiler #7	ES-002	2.1.A.4.m.i	COMS must be installed and operated per PSI [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	



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		Permit Condition Number	Condition Summary					
Boiler #7	ES-002	2.1.A.4.m.i	Must conduct performance evaluation of COMS per 63.8 and 131 [2Q.0508(G)] must complete one cycle of operation every 10-sec and record 6-min averages [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.m.iii	COMS data must reduced per 40 CFR 63.8(g)(2)[2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.m.iv	Monitor opacity continuously except during COMS repair. IM, QA/QC [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.m.v	Include all COMS QA/QC procedures and acceptance criteria in the monitoring plan [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.m.vi	Operate COMS per monitoring plan and report out-of-control times [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.m.vii	Record all 6-min, avg. opacities for all COMS in-control periods [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n	Must install and operate a sorbent injection CPMS [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.i	Sorbent CPMS must be located to provide representative data [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.ii	Install and calibrate sorbent CPMS per manufacturer instructions [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.iii	Calibrate sorbent CPMS annually per manufacturer instructions [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.iv	CPMS must complete one cycle of operation every 15-minutes [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.v	Monitor continuously except during CPMS repair, IM, QA/QC [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.vi	Do not use data obtained during CPMS repair, IM, or QA/QC [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.vii	Calculate 3-Hr block average [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.n.viii	Keep record of all CPMS IM, QA/QC, and repair activities [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	

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		Permit Condition Number	Condition Summary					
Boiler #7	ES-002	2.1.A.4.n.ix	A 3-hr block avg. injection rate below the operating limit is a violation [2Q.0508(G)] If <10% coal/wood firing and no CEMS/CPMS monitoring, conduct annual I/M [2Q.0508(G)]	NO	N/A	N/A	N/A	Subpart injection operating limit not yet incorporated into permit
Boiler #7	ES-002	2.1.A.4.o	Inspect and clean burners as necessary [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	This operating scenario did not occur in 2014
Boiler #7	ES-002	2.1.A.4.o.i	Inspect and adjust flame pattern as necessary [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.o.ii	Inspect and clean burners as necessary [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.o.iii	Conduct at least one annual tuneup per year [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.o.iv	Keep records of all boiler I/M and repair activities [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.p	I/M records must record date of each I/M action [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.p.i	I/M records must record results of each inspection action [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.p.ii	I/M records must record results of each maintenance action [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.p.iii	Records of all notifications including Notification of Compliance Status [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.q	Records of all performance tests or other compliance demonstrations [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.r	Records for all CEMS, CPMS, COMS [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.s	Records of all measurements to demonstrate compliance [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.s.i	Records of all CHS on-to-control periods [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.s.ii	Records of all CHS calibration checks [2Q.0508(G)]	NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.s.iii		NO	YES	N/A	Recordkeeping	

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		Permit Condition Number	Condition Summary	Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	
Boiler #7	ES-002	2.1.A.4.i.iv.	Records of all adjustments and maintenance on CMS [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.i.	Records of monthly usage of all fuels [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.u.	If permits limits any 12-mo. avg. fuel use to <10% of H1, maintain fuel-specific records monthly [2Q, 0508(G)]	N/A	N/A	N/A	N/A
Boiler #7	ES-002	2.1.A.4.u.i.	Record fuel use by each source during previous month [2Q, 0508(G)]	N/A	N/A	N/A	N/A
Boiler #7	ES-002	2.1.A.4.u.ii.	Calculate the 12-month average heat input for each fuel monthly [2Q, 0508(G)]	N/A	N/A	N/A	N/A
Boiler #7	ES-002	2.1.A.4.v.	Must submit a Notification of Compliance Status (NOCS) within 60-days of performance tests [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.i.	NOCS must include description of affected source [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.ii.	NOCS must include description of test results and fuel analyses [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.iii.	NOCS must specify whether complying with PM <sub>10</sub> or TSM limits [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.iv.	NOCS must specify whether performing stack tests or fuel analysis [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.v.	NOCS must specify whether facility is using emissions averaging [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.vi.	NOCS must include a signed RO compliance certification [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.vii.	NOCS must include CO emissions for CO work practice limit [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.v.viii.	NOCS must certify if only n gas and #2 oil are fired in source [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.w.	Permits must submit semiannual compliance reports [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping
Boiler #7	ES-002	2.1.A.4.w.i.	Semiannual reports must include facility name and address [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
Boiler #7	ES-002	2.1.A.4.w.ii.	Semiannual reports must include signed certification by RO [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.iii.	Semiannual reports must include date and period covered by report [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.iv.	Semiannual reports must include monthly fuel usage [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.v.	Semiannual reports must include summary of performance test and operating limits [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	12/17-18/14 performance test has not yet been approved by DAQ. Operating limits not established
Boiler #7	ES-002	2.1.A.4.w.vi.	Semiannual reports must include statement of no new fuels used [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.vii.	Semiannual reports must identify any starting, shutdown, malfunction excess emission event [2Q. 0505]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.viii.	If applicable, semiannual reports should include statement of no deviations [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.ix.	If applicable, semiannual reports should include statement of no out-of-control periods for CMS [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.4.w.x.	Semiannual reports must identify any deviations from permit requirements [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.5.a.	Projected NOx emissions when burning wood-fuels based on 80% coal/20% wood mix. [2D. 0509(a)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.5.b.	Emission testing shall comply with General Condition JI [2D. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.5.c.	NOx emissions shall be calculated and recorded annually for five years [2D. 0530(a)]		NO	YES	N/A	Recordkeeping	
Boiler #7	ES-002	2.1.A.5.d.	NOx emission reports shall be submitted within 60-days of end of calendar year [2D. 0530(a)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.1.a	Particulate emissions shall not exceed 0.174 lb/MMBtu when firing natural gas or FO #2 [2D. 0503(a)]		NO	YES	N/A	COMS	
Boiler #8	ES-003	2.1.B.1.b	Emission testing shall comply with General Condition JI [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.1.c	Monthly fuel usage shall be recorded [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.1.d	Fuel usage summary reports shall be submitted semi-annually [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.2.a	Permittee shall comply with all applicable provisions in Subpart Db [2D. 0524]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.2.b	Maximum sulfur in FO #2 shall not exceed 0.5 sulfur percent by weight [2D. 0524]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.2.c	NOx emissions shall not exceed 0.20 lb/MMBtu when firing natural gas or FO #2 [2D. 0524]		NO	YES	N/A	CEMS	
Boiler #8	ES-003	2.1.B.2.d	Variable emissions shall not exceed 20 percent opacity when averaged over a six minute period when firing natural gas or FO #2 [2D. 0524]		NO	YES	N/A	COMS	
Boiler #8	ES-003	2.1.B.2.e	CEMs shall be installed for NOx and opacity [2Q. 0508(f)]		NO	YES	N/A	CEMS	
Boiler #8	ES-003	2.1.B.2.f	Monthly nat. gas and oil use shall be recorded when oil is fired [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.2.g.i	Excess opacity emission reports shall be submitted quarterly [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.2.g.ii	Opacity reports shall be maintained for two years [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #8	ES-003	2.1.B.3.a	SO2 emissions shall not exceed 2.3 lb/MMBtu heat input [2D. 0516]		NO	YES	N/A	Recordkeeping	

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Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
Boiler #8	ES-003	2.1.B.3.b	Emission testing shall comply with General Condition J1 (2D 0501(c)(4))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.3.c	Monthly net gas and FO #2 use shall be recorded (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.3.d	Fuel usage summary reports shall be submitted semi-annually (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.a	Must comply with 1120) HAP limits listed in permit until 5/22/19 (2D 1109)	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.b.i	Must comply with 1120) PM, Hg, and CO limits listed in permit when firing #2 oil (2D 1109)	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.b.ii	Must comply with 1120) CO limit listed in permit when firing nat. gas (2D 1109)	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.c	Must perform an annual IM per manufacturer specifications (2D 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.c.i	Inspect and clean burners as necessary (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.c.ii	Inspect and adjust flame pattern as necessary (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.c.iii	Inspect and calibrate air control system (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.c.iv	Conduct at least one annual tuneup per year (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.d	Keep records of all boiler IM and repair activities (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.d.i	IM records must record date of each IM action (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.d.ii	IM records must record results of each inspection action (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.d.iii	IM records must record results of each maintenance action (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.e	Record fuel use by each source during previous month monthly (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f	Permittee must submit semiannual compliance reports (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f.i	Semiannual reports must include facility name and address (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f.ii	Semiannual reports must include signed certification by RO (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f.iii	Semiannual reports must include date and period covered by report (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f.iv	Semiannual reports must include monthly fuel usage (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f.v	Semiannual reports must include statement of no new fuels used (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #8	ES-003	2.1.B.4.f.vi	Semiannual reports must identify any deviations from permit requirements (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.1.a	Particulate emissions shall not exceed 0.164 lb/MMBtu when firing natural gas or FO #2 (2D 0503(g))	NO	YES	N/A		COMS	
Boiler #9	ES-004	2.1.C.1.b	Emission testing shall comply with General Condition J1 (2Q 0508(f))	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.1.c	No monitoring, recordkeeping, or reporting for PM required (2Q 0508(f))	N/A	N/A	N/A		N/A	
Boiler #9	ES-004	2.1.C.2.a	Permittee shall comply with all applicable provisions in Subpart Dd (2D 0524)	NO	YES	N/A		Recordkeeping	

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		Permit Condition Number	Condition Summary						
Boiler #9	ES-004	2.1.C.2.b	Maximum sulfur in FO # 2 shall not exceed 0.3 sulfur percent by weight [2D 0524]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.c	NOx emissions shall not be in excess of 30 lb/MMBtu when firing natural gas or FO #2 [2D 0524]	NO	YES	N/A		CEMS	
Boiler #9	ES-004	2.1.C.2.d	Sulfur in FO # 2 shall not exceed 0.3 percent and no nat. gas subject to PM limit under 60.43lb/D(1) [2D 0524]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.e	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period when firing natural gas or FO #2 [2D 0524]	NO	NO	NO		COMS	
Boiler #9	ES-004	2.1.C.2.f	CEMS shall be installed for NOx and opacity [2Q 0508(0)]	NO	YES	N/A		CEMS	
Boiler #9	ES-004	2.1.C.2.g	Records of FO#2 sulfur content must be obtained from analyzer [2D 0524]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.h	Monthly nat. gas and oil use shall be recorded when oil is fired [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.i	Excess opacity emission reports shall be submitted semiannually [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.j	Records of No. 2 fuel oil sulfur content shall be maintained [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.k	Performance test, CEMS, and maximum boiler heat input rate demonstrations shall be submitted [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.2.l	Records shall be retained for two years [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.3.a	SO2 emissions shall not exceed 2.3 lb/MMBtu heat input when firing gas only [2D 0516]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.3.b	Emission testing shall comply with General Condition II [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.3.c	SO2 monitoring not required when burning natural gas [2Q 0508(0)]	N/A	N/A	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.3.d	Must comply with 112(f) HAP limits listed in permit until 5/22/19 [2D 1109]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.3.e	Must comply with 112(f) PM, Hg, and CO limits listed in permit when firing #2 oil [2D 1109]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.b.i	Must comply with 112(f) CO limit listed in permit when firing nat. gas [2D 1109]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.c	Must perform an annual DM per manufacturer specifications [2D 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.d.i	Inspect and clean burners as necessary [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.e.ii	Inspect and adjust flame pattern as necessary [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.c.iii	Inspect and calibrate air control system [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.c.iv	Conduct at least one annual tuneup per year [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.d	Keep records of all boiler DM and repair activities [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.d.i	DM records must record date of each DM action [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.d.ii	DM records must record results of each inspection action [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.d.iii	DM records must record results of each maintenance action [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	
Boiler #9	ES-004	2.1.C.4.e	Record fuel use by each source during previous month monthly [2Q 0508(0)]	NO	YES	N/A		Recordkeeping	



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Boiler #9	ES-004	2.1.C.4.f.	Permittee must submit semiannual compliance reports [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #9	ES-004	2.1.C.4.f.i.	Semiannual reports must include facility name and address [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #9	ES-004	2.1.C.4.f.ii.	Semiannual reports must include signed certification by RO [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #9	ES-004	2.1.C.4.f.iii.	Semiannual reports must include date and period covered by report [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #9	ES-004	2.1.C.4.f.iv.	Semiannual reports must include monthly fuel usage [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #9	ES-004	2.1.C.4.f.v.	Semiannual reports must include statement of no new fuels used [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #9	ES-004	2.1.C.4.f.vi.	Semiannual reports must identify any deviations from permit requirements [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.1.a.	Particulate emissions shall not exceed 0.164 lb/MMBtu when firing natural gas or FO #2 [2D, 0509(0)]		NO	YES	N/A	COMS	
Boiler #10	ES-005	2.1.C.1.b.	Emission testing shall comply with General Condition JJ [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.1.c.	No monitoring, recordkeeping, or reporting for PM required [2Q, 0508(0)]		N/A	N/A	N/A	N/A	
Boiler #10	ES-005	2.1.C.2.a.	Permittee shall comply with all applicable provisions in Subpart Dd [2D, 0524]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.b.	Maximum sulfur in FO #2 shall not exceed 0.3 sulfur percent by weight [2D, 0524]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.c.	NOx emissions shall not be in excess of 20 lb/MMBtu when firing natural gas or FO #2 [2D, 0524]		NO	YES	N/A	CEMS	
Boiler #10	ES-005	2.1.C.2.d.	Sulfur in FO #2 shall not exceed 0.3 percent and no net gas subject to PM limit under 60.43lb(0.1) [2D, 0524]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.e.	Visible emissions shall not exceed 20 percent opacity when averaged over a five minute period when firing natural gas or FO #2 [2D, 0524]		NO	YES	N/A	COMS	
Boiler #10	ES-005	2.1.C.2.f.	CEMS shall be installed for NOx and opacity [2Q, 0508(0)]		NO	YES	N/A	CEMS	
Boiler #10	ES-005	2.1.C.2.g.	Records of FO#2 sulfur content must be obtained from supplier [2D, 0524]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.h.	Monthly nat. gas and oil use shall be recorded when oil is fired [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.h.i.	Excess opacity emission reports shall be submitted semiannually [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.h.ii.	Records of No.2 fuel oil sulfur content shall be maintained [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.h.iii.	Performance tests, CEMS, and maximum boiler heat input rate demonstrations shall be submitted [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.2.h.iv.	Records shall be retained for two years [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.3.a.	SO2 emissions shall not exceed 2.3 lb/MMBtu heat input when firing gas only [2D, 0516]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.3.b.	Emission testing shall comply with General Condition JJ [2Q, 0508(0)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.3.c.	SO2 monitoring not required when burning natural gas [2Q, 0508(0)]		N/A	N/A	N/A	N/A	
Boiler #10	ES-005	2.1.C.4.a.	Must comply with 1120 HAP limits listed in permit until 5/22/19 [2D, 1109]		NO	YES	N/A	Recordkeeping	

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		Permit Condition Number	Condition Summary						
Boiler #10	ES-005	2.1.C.4.b.i.	Must comply with 1120 PM, Hg and CO limits listed in permit when firing #2 oil [2D.1.109]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.b.ii.	Must comply with 1120 CO limit listed in permit when firing nat. gas [2D.1.109]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.c.	Must perform an annual I/M per manufacturer specifications [2D.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.c.i.	Inspect and clean burners as necessary [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.c.ii.	Inspect and adjust flame pattern as necessary [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.c.iii.	Inspect and calibrate air control system [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.c.iv.	Conduct at least one annual tuning per year [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.d.	Keep records of all boiler I/M and repair activities [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.d.i.	I/M records must record date of each I/M action [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.d.ii.	I/M records must record results of each inspection action [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.d.iii.	I/M records must record results of each maintenance action [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.e.	Record fuel use by each source during previous month monthly [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.	Permittee must submit semiannual compliance reports [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.i.	Semiannual reports must include facility name and address [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.ii.	Semiannual reports must include signed certification by RO [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.iii.	Semiannual reports must include date and period covered by report [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.iv.	Semiannual reports must include monthly fuel usage [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.v.	Semiannual reports must include statement of no new fuels used [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.C.4.f.vi.	Semiannual reports must identify any deviations from permit requirements [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Boiler #10	ES-005	2.1.D.1.a	Particulate emissions shall not exceed formula in comments [2D.0515(a)]		NO	YES	N/A	Recordkeeping	E = 55.0 x P <sup>0.11</sup> - 40
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.b	Emission testing shall comply with General Condition JJ [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.c.i	Emissions shall be controlled by bagfilters with monthly external inspections [2Q.0508(f)]		N/A	N/A	N/A	N/A	N/A
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.c.ii	Emissions shall be controlled by bagfilters with annual internal inspections [2Q.0508(f)]		N/A	N/A	N/A	N/A	N/A
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.d.i	Records of date and time of I/M shall be maintained in a logbook [2Q.0508(f)]		N/A	N/A	N/A	N/A	N/A
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.d.ii	Records of I/M findings shall be maintained in a logbook [2Q.0508(f)]		N/A	N/A	N/A	N/A	N/A
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.d.iii	Records of maintenance shall be maintained in a logbook [2Q.0508(f)]		N/A	N/A	N/A	N/A	N/A
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.e	Baghouse I/M records shall be submitted within 30-days of request [2Q.0508(f)]		N/A	N/A	N/A	N/A	N/A
Enclosed Ralcar Dump Pits	ES-010	2.1.D.1.f	Monitoring and recordkeeping summary reports shall be submitted semi-annually [2Q.0508(f)]		NO	YES	N/A	Recordkeeping	

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		Permit Condition Number	Condition Summary							
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.a	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D .0524]		NO	YES	N/A		Recordkeeping	
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.b	Emission testing shall comply with General Condition JJ [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.c	Visible emissions by a certified observer logged when wet suppression system not used [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.d.i	Records of date and time of monitoring shall be maintained in a logbook [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.d.ii	Records of monitoring findings shall be maintained in a logbook [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.d.iii	Records of corrective actions shall be maintained in a logbook [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Enclosed Railcar Dump Pits	ES-010	2.1.D.2.e	Visible emissions summary reports shall be submitted semi-annually [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.a	Particulate emissions shall not exceed formula in comments [2D .0513(a)]		NO	YES	N/A		Recordkeeping	E = 55.0 x P <sup>0.11</sup> - 40
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.b	Emission testing shall comply with General Condition JJ [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.c.i	Emissions shall be controlled by bagfilters with monthly external inspections [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.c.ii	Emissions shall be controlled by bagfilters with annual internal inspections [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.d.i	Records of date and time of I/M shall be maintained in a logbook [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.d.ii	Records of I/M findings shall be maintained in a logbook [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.d.iii	Records of maintenance shall be maintained in a logbook [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.e	Baghouse I/M records shall be submitted within 30-days of request [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.1.f	Monitoring summary reports shall be submitted semi-annually [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.2.a	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D .0524]		NO	YES	N/A		Recordkeeping	
Coal Crusher/Conveyor Building	ES-010A	2.1.D.2.b	Emission testing shall comply with General Condition JJ [2Q .0508(f)]		NO	YES	N/A		Recordkeeping	

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		Permit Condition Number	Condition Summary					
Coal Crusher/Conveyor Building	ES-010A	2.1.D.2.c	Visible emissions by a certified observer logged when wet suppression system not used [2Q.0508(f)] Records of date and time of monitoring shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Crusher/Conveyor Building	ES-010A	2.1.D.2.d.i	Records of monitoring findings shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Crusher/Conveyor Building	ES-010A	2.1.D.2.d.ii	Records of corrective actions shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Crusher/Conveyor Building	ES-010A	2.1.D.2.d.iii	Visible emissions summary reports shall be submitted semi-annually [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-1	2.1.D.1.a	Particulate emissions shall not exceed formula in comment [2D.0515(a)] Emission testing shall comply with General Condition JI [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	E = 55.0 x p <sup>0.11</sup> - 40
Coal Silo	ES-1	2.1.D.1.b	Emissions shall be controlled by bagfilters with monthly external inspections [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.1.e.i	Emissions shall be controlled by bagfilters with annual internal inspections [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.1.e.ii	Records of date and time of I/M shall be maintained in a logbook [2Q.0508(f)] Records of I/M findings shall be maintained in a logbook [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.1.d.ii	Records of maintenance shall be maintained in a logbook [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.1.d.iii	Baghouse I/M records shall be submitted within 30-days of request [2Q.0508(f)] Monitoring summary reports shall be submitted semi-annually [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.1.f	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D.0524]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.2.a	Emission testing shall comply with General Condition JI [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-1	2.1.D.2.b	Variable emissions by a certified observer logged when wet suppression system not used [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-1	2.1.D.2.c	Records of date and time of monitoring shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-1	2.1.D.2.d.i	Records of monitoring findings shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-1	2.1.D.2.d.ii	Records of corrective actions shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-1	2.1.D.2.d.iii	Visible emissions summary reports shall be submitted semi-annually [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-1	2.1.D.2.e	Particulate emissions shall not exceed formula in comments [2D.0515(a)]	NO	YES	N/A	Recordkeeping	E = 55.0 x p <sup>0.11</sup> - 40

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Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Coal Silo	ES-2	21.D.1.b	Emission testing shall comply with General Condition JI [2Q, 0508(G)] Emissions shall be controlled by bagfilters with monthly external inspections [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.c.i	Emissions shall be controlled by bagfilters with annual internal inspections [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.c.ii	Records of date and time of I/M shall be maintained in a logbook [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.d.i	Records of I/M findings shall be maintained in a logbook [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.d.ii	Records of maintenance shall be maintained in a logbook [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.d.iii	Baghouse I/M records shall be submitted within 30-days of request [2Q, 0508(G)] Monitoring summary reports shall be submitted semi-annually [2Q, 0508(G)] Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D, 0524]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.e	Emission testing shall comply with General Condition JI [2Q, 0508(G)]	NO	YES	N/A	Recordkeeping	
Coal Silo	ES-2	21.D.1.f	Visible emissions by a certified observer logged when wet suppression system not used [2Q, 0508(G)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-2	21.D.2.a	Records of date and time of monitoring shall be maintained in a logbook [2Q, 0508(G)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-2	21.D.2.b	Records of monitoring findings shall be maintained in a logbook [2Q, 0508(G)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-2	21.D.2.c	Records of date and time of monitoring shall be maintained in a logbook [2Q, 0508(G)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-2	21.D.2.d.i	Records of monitoring findings shall be maintained in a logbook [2Q, 0508(G)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-2	21.D.2.d.ii	Records of monitoring findings shall be maintained in a logbook [2Q, 0508(G)]	N/A	N/A	N/A	N/A	N/A

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Coal Silo	ES-2	2.1 D.2.d.iii	Records of corrective actions shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Coal Silo	ES-2	2.1 D.2.e	Visible emissions summary reports shall be submitted semi-annually [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.a	Particulate emissions shall not exceed formula in comments [2D.0515(a)]	NO	YES	N/A	Recordkeeping	E = 55.0 x P <sup>0.11</sup> - 40
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.b	Emission testing shall comply with General Condition J1 [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.c.i	Emissions shall be controlled by bagfilters with monthly external inspections [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.c.ii	Emissions shall be controlled by bagfilters with annual internal inspections [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.d.i	Records of date and time of I/M shall be maintained in a logbook [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.d.ii	Records of I/M findings shall be maintained in a logbook [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.d.iii	Records of maintenance shall be maintained in a logbook [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.e	Baghouse I/M records shall be submitted within 30-days of request [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.1.f	Monitoring summary reports shall be submitted semi-annually [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.a	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D.0524]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.b	Emission testing shall comply with General Condition J1 [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.c	Visible emissions by a certified observer logged when wet suppression system not used [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.d.i	Records of date and time of monitoring shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.d.ii	Records of monitoring findings shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.d.iii	Records of corrective actions shall be maintained in a logbook [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Five Coal Silo Feed Conveyors	ES-3	2.1 D.2.e	Visible emissions summary reports shall be submitted semi-annually [2Q.0508(f)]	N/A	N/A	N/A	N/A	N/A
Ash Silo with Loadout	ES-030	2.1 E.1.a	Particulate emissions shall not exceed formula in comments [2D.0515(a)]	NO	YES	N/A	Recordkeeping	E = 4.10 x P <sup>0.67</sup>
Ash Silo with Loadout	ES-030	2.1 E.1.b	Emission testing shall comply with General Condition J1 [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1 E.1.c.i	Emissions shall be controlled by bagfilter with monthly external inspections [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1 E.1.c.ii	Emissions shall be controlled by bagfilter with annual internal inspections [2Q.0508(f)]	NO	YES	N/A	Recordkeeping	



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Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
Ash Silo with Loadout	ES-030	2.1.E.1.d.i	Records of date and time of I/M shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.1.d.ii	Records of I/M findings shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.1.d.iii	Records of maintenance shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.1.e	Baghouse I/M records shall be submitted within 30-days of request [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.1.f	Monitoring summary reports shall be submitted semi-annually [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.a	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D. 0521(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.b	Emission testing shall comply with General Condition JJ [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.c	Daily observations shall be performed for visible emissions above normal [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.d.i	Records of date and time of monitoring shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.d.ii	Records of monitoring findings shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.d.iii	Records of corrective actions shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Ash Silo with Loadout	ES-030	2.1.E.2.e	Visible emissions summary reports shall be submitted semi-annually [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.1.a	Particulate emissions shall not exceed formula in comments [2D. 0513(f)]		NO	YES	N/A	Recordkeeping	$E = 4.10 \times P^{0.67}$
Wet Ash Loadout	ES-030A	2.1.E.1.b	Emission testing shall comply with General Condition JJ [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.1.e.i	Emissions shall be controlled by bagfilter with monthly external inspections [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.1.e.ii	Emissions shall be controlled by bagfilter with annual internal inspections [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.1.d.i	Records of date and time of I/M shall be maintained in a logbook [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.1.d.ii	Records of I/M findings shall be maintained in a logbook [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.1.d.iii	Records of maintenance shall be maintained in a logbook [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.1.e	Baghouse I/M records shall be submitted within 30-days of request [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.1.f	Monitoring summary reports shall be submitted semi-annually [2Q. 0508(f)]		N/A	N/A	N/A	N/A	N/A
Wet Ash Loadout	ES-030A	2.1.E.2.a	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period [2D. 0521(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.2.b	Emission testing shall comply with General Condition JJ [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.2.c	Daily observations shall be performed for visible emissions above normal [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.2.d.i	Records of date and time of monitoring shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.2.d.ii	Records of monitoring findings shall be maintained in a logbook [2Q. 0508(f)]		NO	YES	N/A	Recordkeeping	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
Wet Ash Loadout	ES-030A	2.1.E.2.d.iii	Records of corrective actions shall be maintained in a logbook [2Q, 0508(f)]		NO	YES	N/A	Recordkeeping	
Wet Ash Loadout	ES-030A	2.1.E.2.c	Visible emissions summary reports shall be submitted semi-annually [2Q, 0508(f)]		NO	YES	N/A	Recordkeeping	
Fuel Oil Storage	T-001	2.1.F	No requirements		N/A	N/A	N/A	N/A	
Fuel Oil Storage	T-002	2.1.F	No requirements		N/A	N/A	N/A	N/A	
Fuel Oil Storage Tank	T-003	2.1.F	No requirements		N/A	N/A	N/A	N/A	
Fuel Oil Storage Tank	T-004	2.1.F	No requirements		N/A	N/A	N/A	N/A	
19 New RICE > 500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.1.a	SO2 emissions shall not exceed 2.3 lb/MMBtu [2D, 0516]		NO	YES	N/A	Recordkeeping	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.1.b	Emission testing shall comply with General Condition J1 (2Q, 0508(6)) Monitoring not required when burning diesel fuel (2Q, 0508(6))	NO	N/A	N/A	N/A	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.1.c	Variable emissions shall not exceed 20 percent opacity when averaged over a six minute period (2D, 0521)	N/A	N/A	N/A	N/A	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.2.a	Emission testing shall comply with General Condition J1 (2Q, 0508(6)) Monitoring not required when burning diesel fuel (2Q, 0508(6))	NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.2.b	Monitoring not required when burning diesel fuel (2Q, 0508(6))	NO	N/A	N/A	N/A	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.2.c	ES-Gen.12 and 49 must meet C1 NSPS (2D, 1111)	N/A	N/A	N/A	N/A	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.a	Must comply with Subpart ZZZZ, Initial notification requirements (40 CFR 63.9)	N/A	N/A	N/A	Recordkeeping	ES-Gen.12 and 49 are <500 Hp units.
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.b	Initial notification shall be submitted within 170-days of startup (40 CFR 63.9)	NO	N/A	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.c.i.v	Initial notification must contain data specified in permit (40 CFR 63.9)	NO	N/A	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.c.i.v	Initial notification must be submitted to agencies (DAQ/EPA) specified in permit (40 CFR 63.9)	NO	N/A	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.d.i.iii	Maintain a signed MACCT applicability determination (40 CFR 63.10(b)(3))	NO	N/A	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.e	Unrestricted operation in emergency situations (40 CFR 63.664(h))	NO	N/A	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.f.i	Limit non-emergency operation to <100 hrs for purposes listed in permit (40 CFR 63.664(i))	NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.f.ii	Limit non-emergency operation to <50 hrs for purposes not listed in permit (40 CFR 63.664(j))	NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.f.iii	Comply with RICE MACCT CI requirements May 3, 2013 (40 CFR 63.659(a))	NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.g	Comply with RICE MACCT SI requirements October 19, 2013 (40 CFR 63.659(a))	NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.h	Change oil and filter annually or every 500 hrs (63.6602)	N/A	N/A	N/A	N/A	All 19 units are diesel-fired. Not applicable to New RICES >500 Hp.
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.i	An oil analysis program may be used to extend oil change frequency (63.6602)	N/A	N/A	N/A	N/A	Permit Table 2.1.G.3-1.
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.j	Inspect air filter annually or every 1,600 hrs (63.6602)	N/A	N/A	N/A	N/A	Not applicable to New RICES >500 Hp.
19 New RICE >500 Hp (Em. Gen. and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.k	Inspect hoses and belts annually or every 500 hrs (63.6602)	N/A	N/A	N/A	N/A	Permit Table 2.1.G.3-1.

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.m.	Limit idle and startup time to <30 min. (63.6625(b))		N/A	N/A	N/A	N/A	Not applicable to New RICE>500 Hp. Permit Table 2.1.G.3-1.
19 New RICE >500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.n.	Operate and maintain per manufacturer instructions (63.6625(a))		N/A	N/A	N/A	N/A	Not applicable to New RICE>500 Hp. Permit Table 2.1.G.3-1.
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.o.	Install a non-resettable operating hour meter (63.6625(f))		N/A	N/A	N/A	N/A	Not applicable to New RICE>500 Hp. Permit Table 2.1.G.3-1.
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.p.i.	Maintain records of all notifications and reports (63.6653)		NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.p.ii.	Maintain records of all malfunctions and corrective actions (63.6651)		NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.p.iii.	Maintain records of all maintenance performed (63.6655)		NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.p.iv.	Maintain records of operating hours during emergency/testing (63.6655)		NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.q.	Retain readily accessible records for 5 years (63.6660)		NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.r.	Maintain records of all maintenance performed (63.6655)		NO	YES	N/A	Recordkeeping	
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.s.	ES-Gen-13 must comply with RICE NACT (40 CFR 63.6583)		N/A	N/A	N/A	N/A	ES-Gen-13 is a new SI <500 Hp unit
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.3.t.	ES-Gen-13 must with SINSYS Subpart 1111 (20.0508(f))		N/A	N/A	N/A	N/A	ES-Gen-13 is a new SI <500 Hp unit
19 New RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-1	2.1.G.4.	Subpart 1111		N/A	N/A	N/A	N/A	All 19 units are diesel-fired
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.1.a.	SO2 emissions shall not exceed 2.3 lb/MMBtu (2D.0516)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.1.b.	Emission testing shall comply with General Condition 11 (20.0508(f))		NO	N/A	N/A	N/A	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.1.c	Monitoring not required when burning diesel fuel (20.0508(f))		N/A	N/A	N/A	N/A	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.2.a	Visible emissions shall not exceed 20 percent opacity when averaged over a six minute period (20.0521)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.2.b	Emission testing shall comply with General Condition JJ (20.0508(f))		NO	N/A	N/A	N/A	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.2.c	Monitoring not required when burning diesel fuel (20.0508(f))		N/A	N/A	N/A	N/A	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.a	ES-Gen-12 and 49 must meet CINSPS (20.0511)		N/A	N/A	N/A	N/A	ES-Gen-12 and 49 are <500 Hp units.
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.b	Must comply with Subpart ZZZZ, initial notification requirements (40 CFR 63.9)		NO	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.c.iv	Initial notification must contain data specified in permit (40 CFR 63.9)		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.d.iii	Initial notification must be submitted to agencies (DAQ/DEPA) specified in permit (40 CFR 63.9)		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.e	Maintain a signed MACT applicability determination (40 CFR 63.10(b)(3))		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.f.i	Unrestricted operation in emergency situations (40 CFR 63.664(f)(i))		NO	YES	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.f.ii	Limit non-emergency operation to <100 hours for purposes listed in permit (40 CFR 63.664(f)(ii))		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.f.iii	Limit non-emergency operation to <50 hours for purposes not listed in permit (40 CFR 63.664(f)(iii))		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.g	Comply with RICE MACT CI requirements May 3, 2013 (40 CFR 63.6595(a))		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.h	Comply with RICE MACT SI requirements October 19, 2013 (40 CFR 63.6595(b))		N/A	N/A	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.i	Change oil and filter annually or every 500 hrs (63.6602)		N/A	N/A	N/A	N/A	No SI units in Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.j	An oil analysis program may be used to extend oil change frequency (63.6602)		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.k	Inspect air filter annually or every 1,000 hrs (63.6602)		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.l	Inspect hoses and belts annually or every 500 hrs (63.6602)		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.m	Limit idle and start-up time to <30 min. (63.6625(b))		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.n	Operate and maintain per manufacturer instructions (63.6625(a))		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.o	Install a non-removable operating hour meter (63.6625(f))		N/A	N/A	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.p.i	Maintain records of all notifications and reports (63.6655)		NO	YES	N/A	N/A	Not applicable to Existing RICE>500 Hp. Permit Table 2.1.G.3-2
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.p.ii	Maintain records of all malfunctions and corrective actions (63.6655)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.p.iii	Maintain records of all maintenance performed (63.6655)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.q	Maintain records of operating hours during emergency/shutting (63.6655)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.r	Retain readily accessible records for 5 years (63.6660)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.s	Must submit Semiannual Compliance Reports (63.6650)		NO	YES	N/A	Recordkeeping	
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.3.t	ES-Gen-13 must comply with RICE MACT (40 CFR 63.6581)		N/A	N/A	N/A	N/A	ES-Gen-13 is a new SI <500 Hp unit
12 Existing RICE >500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-2	2.1.G.4	ES-Gen-13 must with STNSPS Subpart STNSPS requirements (40 CFR 60 Subpart JJJJ)		N/A	N/A	N/A	N/A	ES-Gen-13 is a new SI <500 Hp unit
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-3	2.1.G.1.a	SO2 emissions shall not exceed 2.3 lb/MMBtu (20.0516)		NO	YES	N/A	N/A	All 12 units are diesel-fired
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3-3	2.1.G.1.b	Emission testing shall comply with General Condition JJ (20.0508(f))		NO	N/A	N/A	Recordkeeping	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Records Maintained? (Yes/No/NA)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary	Deviations? (Yes / No)				
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.1.c	Monitoring not required when burning diesel fuel (2Q. 0508(f)) Visible emissions shall not exceed 30 percent opacity when averaged over a six minute period (2D. 0521)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.2.a	Monitoring not required when burning diesel fuel (2Q. 0508(f))	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.2.b	Monitoring not required when burning diesel fuel (2Q. 0508(f))	NO	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.2.c	Monitoring not required when burning diesel fuel (2Q. 0508(f))	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.a	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.b	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.c.iv	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.d.iii	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.e	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.f.i	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.f.ii	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.f.iii	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.g	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.h	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.i	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.j	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.k	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.l	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.m	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.n	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.o	Monitoring not required when burning diesel fuel (2D. 1111)	N/A	N/A	N/A	N/A	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.p.i	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.p.ii	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.p.iii	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.p.iv	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.q	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.r	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.s	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.3.t	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.4	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.4.a	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	
10 New RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.3	2.1.G.4.b	Monitoring not required when burning diesel fuel (2D. 1111)	NO	YES	N/A	Recordkeeping	



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Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
47 Existing RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.h	Comply with RICE MACT SI requirements October 19, 2013 (40 CFR 63.6593(a))		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.i	Change oil and filter annually or every 500 hrs (63.6602)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.j	An oil analysis program may be used to extend oil change frequency (63.6602) hrs (63.6602)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.k	Inspect air filter annually or every 1,000 hrs (63.6602)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.l	Inspect hoses and belts annually or every 500 hrs (63.6602)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.m	Limit idle and startup time to <30 min. (63.6625(b))		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and Fire Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.n	Operate and maintain per manufacturer instructions (63.6625(a))		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.o	Install a non-rectable operating hour meter (63.6625(f))		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.p.i	Maintain records of all modifications and reports (63.6655)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.p.ii	Maintain records of all malfunctions and corrective actions (63.6655)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.p.iii	Maintain records of all maintenance performed (63.6655)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.p.iv	Maintain records of operating hours during emergency testing (63.6655)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.q	Retain readily accessible records for 5 years (63.6660)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.r	Must submit Semiannual Compliance Reports (63.6650)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.s	ES-Gen-13 must comply with RICE MACT (40 CFR 63.6585)		N/A	N/A	N/A	N/A	ES-Gen-13 is a new SI <500 Hp unit
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.3.t	ES-Gen-13 must with SI NSPS Subpart JJJJ (20.0508(f))		N/A	N/A	N/A	N/A	ES-Gen-13 is a new SI <500 Hp unit
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.G.4	SI NSPS requirements (40 CFR 60 Subpart JJJJ)		N/A	N/A	N/A	N/A	All 47 units are existing units
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.1.a	SO2 emissions shall not exceed 2.3 lb/MMBtu (2D.0516)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.1.b	Emission testing shall comply with General Condition JJ (20.0508(f))		NO	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.1.c	Monitoring not required when burning No.2 fuel oil (20.0508(f))		N/A	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.1.e	Variable emissions shall not exceed 20 percent opacity when averaged over a six minute period (2D.0521)		NO	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.2.a	Emission testing shall comply with General Condition JJ (20.0508(f))		NO	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.2.b	Monitoring not required when burning No.2 fuel oil (20.0508(f))		N/A	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.2.c	Monitoring not required when burning No.2 fuel oil (20.0508(f))		N/A	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.a	Permittee shall comply with MACT general provisions (63.6665)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.b.i	CO emissions must be reduced by 70% (63.6600(b))		NO	YES	N/A	Performance Test	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.b.ii	Formaldehyde emissions limited to 580 ppb at 15% O2 (63.6600(b))		N/A	N/A	N/A	N/A	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.c.i	Catalyst pressure drop change from baseline limited per 63.6600 (63.6600)		NO	YES	N/A	CPMS	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.c.ii	Catalyst inlet temperature 450-1,350 °F (63.6600)		NO	YES	N/A	CPMS	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.d.i	Must be in compliance at all times, except SSN periods (63.6605)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.d.ii	Source must be operated to minimize emissions at all times (63.6605)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.e.i	Test within 180-days of startup in accordance with 63.716) (63.6610)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.f.i	Install, operate and maintain CPMS per 63.8 (63.6625)		NO	YES	N/A	Recordkeeping	
47 Existing RICE <500 Hp (Em. Gens and F. Pumps)	Permit Table 2.1.G.3.4	2.1.H.3.f.ii	Must demonstrate compliance with applicable emission limits (63.6630)		NO	YES	N/A	Performance Test/CPMS	

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary					
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.f.iii	Must submit NOCS with results of initial compliance demonstration [63.6645]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.f.iv	Must monitor at all times, except during CPMS malfunctions or QA [63.6635]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.f.v	Must not use monitoring data during CPMS malfunctions or QA [63.6635]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.f.vi	Must report all deviations and re-establish operating limits after equipment modifications [63.6640]	NO	YES	N/A	N/A	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.f.vii	Must operate in accordance with SSMP during SSM periods [63.6640]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.f.viii	Must report all deviations from MACT General Provisions [63.6650]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.g.i	Must keep records of notifications, reports, SSM events, and performance tests and evaluations [63.6655]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.g.ii	Must keep records of all CPMS evaluations and QA actions [63.6655]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.g.iii	Must keep records of test and CPMS data to document compliance [63.6655]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.g.iv	Records must be available in suitable form for expeditious review [63.100(b)(1)]	NO	YES	N/A	Recordkeeping	

University of North Carolina at Chapel Hill  
General Conditions Summary

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions			Deviations <sup>1</sup> (Yes / No)	Records Maintained? <sup>2</sup> (Yes/No/N/A)	Was Deviation a non-compliance issue? <sup>3</sup> (Yes / No)	Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary						
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.g.v	Records must be kept for five years (63.6660)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.i	Must submit all notifications in MACT General Provisions (63.6645)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.ii	Must submit initial notification within 120-days of startup (63.6645)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.iii	Must submit testing notification 60-days prior to test (63.70(1))		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.iv	Must submit NOCS within 60-days of performance test (63.10(8)(2))		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.v	Must submit Semiannual Compliance Reports (63.6650)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.vi	First Compliance Reports due by July 31 or January 31 (63.6650)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.vii	Subsequent Compliance Reports must cover semiannual periods (63.6650)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #1	ES-#006	2.1.H.3.h.viii	Compliance Reports must present all data specified in permit (63.6650)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.1.a	SO <sub>2</sub> emissions shall not exceed 2.3 lb/MWh (20.0516)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.1.b	Emission testing shall comply with General Condition J1 (20.0508(0))		NO	N/A	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.1.c	Monitoring not required when burning No.2 fuel oil (20.0508(0))		N/A	N/A	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.2.a	Visible emissions shall not exceed 10 percent opacity when averaged over a six minute period (20.0521)		NO	N/A	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.2.b	Emission testing shall comply with General Condition J1 (20.0508(0))		NO	N/A	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.2.c	Monitoring not required when burning No.2 fuel oil (20.0508(0))		N/A	N/A	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.a	Permittee shall comply with MACT general provisions (63.6661)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.b.i	CO emissions must be reduced by 70% (63.6600(0))		NO	YES	N/A	Performance Test	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.b.ii	Formaldehyde emissions limited to 380 ppb at 15% O <sub>2</sub> (63.6600(0))		N/A	N/A	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.c.i	Catalyst pressure drop change from baseline limited per 63.6600 (63.6600)		NO	YES	N/A	CPMS	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.c.ii	Catalyst inlet temperature 450-1,340 °F (63.6600)		NO	YES	N/A	CPMS	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.d.i	Must be in compliance at all times, except SSM periods (63.6605)		NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.d.ii	Source must be operated to minimize emissions at all times (63.6605)		NO	YES	N/A	Recordkeeping	

University of North Carolina at Chapel Hill  
General Conditions Summary

Emission Source Description	Source or Control Device ID Number(s)	Terms and Conditions					Method(s) of Determining Compliance Status	Comments
		Permit Condition Number	Condition Summary	Deviations? (Yes / No)	Records Maintained? (Yes/No/N/A)	Was Deviation a non-compliance issue? (Yes / No)		
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.e.i	Test within 180-days of startup in accordance with 63.7(e) [63.6610] install, operate, and maintain CPMS per 63.8 [63.6625]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.i	Must demonstrate compliance with applicable emission limits [63.6630]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.ii	Must submit NOCS with results of initial compliance demonstration [63.6645]	NO	YES	N/A	Performance Test/CPMS	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.iii	Must monitor at all times, except during CPMS malfunctions or QA [63.6635]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.iv	Must not use monitoring data during CPMS malfunctions or QA [63.6635]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.v	Must report all deviations and re-establish operating limits after equipment modifications [63.6640]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.vi	Must operate in accordance with SSMP during SSM periods [63.6640]	NO	YES	N/A	N/A	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.f.vii	Must report all deviations from MACT General Provisions [63.6650]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.g.i	Must keep records of notifications, reports, SSM events, and performance tests and evaluations [63.6655]	NO	YES	N/A	Recordkeeping	
Cogeneration Facility - Generator #2	ES-#007	2.1.H.3.g.ii	Must keep records of all CPMS evaluations and QA actions [63.6655]	NO	YES	N/A	Recordkeeping	

North Carolina Department of Environment and Natural Resources  
Division of Air Quality

COMPLIANCE SUMMARY REPORT FOR GENERAL CONDITIONS

For Calendar Year 2014

Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non- compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
Permit Condition Number	Condition Summary					
3A	General Provisions	No	Yes	No	Recordkeeping Copy of permit available in Regulatory Compliance Coordinator's office.	
3.B	Permit available at facility	No	Yes	No	DAQ stamped copies of all submitted reports retained at Facility.	
3.D	Submissions of reports to regional office	No	Yes	No	Permit modifications submitted and DAQ stamped copies retained at Facility.	
3.G	Permit modifications and applications	No	Yes	No	Recordkeeping	
3.H	Changes not requiring permit modifications	No	Yes	No	Recordkeeping	
3.I.A, 3.1.B	Reporting requirements for excess emissions and permit deviations	No	Yes	No	Recordkeeping Title V permit # 03069T32 expires 4/30/2016	
3.K	Permit renewal every five year Duty to submit any information requested by director	No	Yes	No	Recordkeeping	
3.M	Duty to supplement	No	Yes	No	Recordkeeping	
3.N	Retention of records	No	Yes	No	Records retained at Facility.	
3.O	Annual compliance certification	No	Yes	No	Completed and submitted to DAQ/EPa February 25, 2015 Signature on all reports, applications, certifications.	DAQ stamped copy retained at Facility.
3.Q	Certification by responsible official Insufficient activities records available at facility	No	Yes	No	Records retained at EHS. #03069T32	List of sources included in Title V permit
3.T	Inspection and entry	No	Yes	No	Payment submitted to NC DENR August 2014	
3.W	Annual fee payment	No	Yes	No	Submitted to DAQ June 2014. Recordkeeping	
3.X	Annual emission inventory requirement	No	Yes	No		
3.Y	Confidential information	No	Yes	No		



Terms and Conditions		Deviations? (Yes / No)	Records Maintained? (Yes/No/NA)	Was Deviation a non- compliance issue? (Yes / No)	Method(s) of Determining Compliance Status	Comments
Permit Condition Number	Condition Summary					
3.Z	Construction and operation permits Standard application form and required information	Yes	Yes	Yes	Recordkeeping	Timely permit application not submitted for same-size replacement emergency generator ES- Gen-13. See attached Deviation Report.
3.AA	Refrigerant requirements Prevention of accidental releases – Section 112(f)	No	Yes	No	Recordkeeping Records kept on file at Chiller Plant/Refrig. Shop	
3.DD	Prevention of accidental releases "General Duty Clause" - Section 112(f)(1)	No	Yes	No	Documented in Facility One Plan	
3.II	Ambient air quality standards Emission testing and reporting requirements	No	Yes	No	Dispersion modeling Required testing complete and reports submitted.	Updated facility-wide modeling analyses for SO <sub>2</sub> and NO <sub>2</sub> with all permit applications Compliance, RATA, and quarterly linearity tests. DAQ stamped copies retained at Facility.
3.JJ	Reporting requirements for non-operating equipment	No	Yes	No	Records retained at Facility.	
3.NN	Modification of TV permit	No	Yes	No	Records retained at Facility.	
3.OO	Third party participation & EPA review	No	Yes	No	Recordkeeping	

**North Carolina Department of Environment and Natural Resources  
Division of Air Quality**

## DEVIATION SUMMARY REPORT

For Calendar Year 2014

[illegible]

**DEVIATION REPORT**  
**The University of North Carolina at Chapel Hill**  
**Air Permit No. 03069T32**

**Deviation #:**

3-26-14

**Date of Deviation:**

Deviation identified 3/26/2014

**Duration :** NA

**Previous Reports of Deviation:**

Deviation Notification Letter

**Date:** 4/3/2014

**Permit Condition Citation:**

Section 3 - General Conditions - Item Z.

**Emission Source Identification #:**

ES-Gen-13

**Emission Source Description:**

New 80 kW Propane-fired Emergency Generator at Davie Hall

**Summary of Applicable Requirements:**

A construction and operating permit must be obtained prior to construction for all new or modified sources.

**Description of Deviation:**

On March 26, 2014, UNC-EHS discovered that an existing 80 kW propane-fired emergency generator at Davie Hall had been replaced with an identical-sized new 80 kW propane-fired emergency generator without submittal of a permit modification application. In contrast to the existing unit, the new unit is subject to NSPS Subpart JJJJ.

**Compliance Monitoring Method:**

NA

**Probable Cause of Deviation:**

The UNC Gen Shop inappropriately assumed that replacement of the existing 80 kW emergency generator with an identical-sized new unit constituted a like-for-like replacement that did not warrant a modification of the air permit. It was not recognized that the new unit was subject to different regulatory requirements (NSPS Subpart JJJJ) than the existing unit.

**Corrective Actions Taken:**

The University notified DAQ of the deviation by letter dated 4/3/14. A permit modification application to add the new 80 kW propane-fired emergency generator to the air permit as an NSPS Subpart JJJJ source was submitted to DAQ on 6/4/14. The UNC-Gen Shop was directed to clear all future new emergency generators with UNC-EHS for identification of any permitting requirements prior to installation. A permit modification incorporating the new emergency generator was

**DEFICIENCY REPORT**  
**The University of North Carolina at Chapel Hill**  
**Air Permit No. 03069T32**

<b><u>Deficiency #:</u></b>	8-9-14	
<b><u>Date of Deficiency</u></b>	Deficiency Effective 8//9/2014	<b><u>Duration :</u></b> NA
<b><u>Previous Reports of Deficiency</u></b>	Test Extension Request Letter	<b><u>Date:</u></b> 7/18/2014
<b><u>Permit Condition Citation:</u></b>	Section 2.1A.4.h.	
<b><u>Emission Source Identification #:</u></b>	Boiler Nos. 6 & 7, ES-001 & 002	
<b><u>Emission Source Description:</u></b>	2-323.17 MMBtu/hr boilers	

**Summary of Applicable Requirements:** Annual 112(j) performance tests must be performed within 11 - 13 months of previous performance tests.

**Description of Deficiency:** The initial 112(j) performance tests on Boiler Nos. 6 & 7 were performed on July 9-10, 2013. During this testing, the boiler operating loads were only approximately 50% due to a turbine breakdown. A second round of testing was performed in March 2014 with boiler operating loads >90%. However, during the March testing, the test contractor inadvertently failed to record measured CO emissions. A subsequent turbine breakdown prevented completion of the CO testing by 8/9-10/14.

**Compliance Monitoring Method:** NA

**Cause of Deficiency:** Failure of the test contractor to record the measured CO emission rates during the March 2014 performance tests and a subsequent turbine breakdown that prevented completion of the CO testing at desired boiler operating loads >90%.

**Corrective Actions Taken:** In July 2014, the University requested a test schedule extension for completion of the CO testing after the turbine repairs could be completed and the boilers could be operated at >90% load. The extension request was approved by DAQ. Turbine repairs were completed on 12/16/14. Complete 112(j) performance tests for all the regulated pollutants, including CO, were performed on 12/17-18/14 with boiler operating loads >90%.